

AMENDMENTS TO THE ABSTRACT

~~A method and apparatus~~ system for clearing and programming the memory of an FPGA IC, when the IC is comprised of a plurality of cores. The system ~~comprises the~~ acts of clearing clears the memory of the ~~plurality of cores.~~ [;] The system then sequentially ~~verifying~~ verifies completion of ~~act of clearing memory act for~~ of each core. [;] ~~and The system then providing~~ provides a programming ready signal to all cores when the memory of a last core has ~~completed said clearing memory act~~ has been cleared. ~~A method and apparatus for sequentially programming with bitstream data each core of a plurality of cores in an FPGA IC, said method comprising: sending~~ The system then sends the bitstream data to a first core, ~~of the plurality of cores; sending~~ After the first core is programmed, the balance of the bitstream data is sent to a next core, ~~of the plurality of cores after the first core has received its portion of bitstream data; repeating in a sequential manner the acts of sending a balance of the bitstream data to a following core of the plurality of cores after an immediately preceding core of has received its portion of bitstream data, until a last core of the plurality of cores has received its portion of bitstream data; and sending a program start signal to all cores, after a last core has received its portion of the bitstream data. It is emphasized that this abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understand that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).~~ This process is repeated until all of the cores are programmed.